

VERSIONS WITH MARKINGS TO SHOW CHANGES MADE

In the Title:

The title has been amended as follows: ~~DIGITAL PRINTABLE REACTIVE DYE~~
PRINTING AND PROCESS.

In the Specification:

In the Specification, on the top of page 2, the following paragraph has been inserted:

--This application is a continuation of pending application serial number 09/322,737, filed May 28, 1999, which has been allowed. --

In the Claims:

Claims 10-25 have been added as follows:

10. A method of printing an image using a digital printer, comprising the steps of:
- a. preparing an ink that comprises at least one heat-activated printing additive that is solid at ambient temperature, wherein said at least one heat-activated printing additive has a melting point that is lower than a heat activation temperature, and at least one reactive dye which dissolves in said printing agent when said printing agent is a liquid, and at least one alkaline agent;
 - b. supplying a digital printer with said ink and printing a portion of said ink onto a substrate to form an image by means of said portion of said ink;

- c. heat activating said ink by applying heat to said substrate at or above said heat activation temperature and melting said heat-activated printing additive, wherein said portion of said ink reacts with said substrate and bonds said image to said substrate.
11. A method of printing an image using a digital printer as described in claim 10, wherein said image is transferred to a second substrate when heat is applied to said substrate, and wherein said portion of said ink reacts with said second substrate and bonds said image to said second substrate.
12. A method of printing an image using a digital printer as described in claim 10, wherein said heat activation temperature is not lower than 70° C.
13. A method of printing an image using a digital printer as described in claim 11, wherein said heat activation temperature is not lower than 70° C.
14. A method of printing an image using a digital printer as described in claim 10, wherein said ink is heat activated by applying steam.
15. A method of printing an image using a digital printer as described in claim 11, wherein said ink is heat activated by applying steam.

16. A method of printing an image using a digital printer as described in claim 10, wherein said heat activated printing additive is urea.
17. A method of printing an image using a digital printer as described in claim 11, wherein said heat activated printing additive is urea.
18. A method of printing an image using a digital printer as described in claim 10, wherein said ink further comprises a binder, and wherein said binder prevents material reaction of said at least one reactive dye prior to heat activation of said ink.
19. A method of printing an image using a digital printer as described in claim 11, wherein said ink further comprises a binder, and wherein said binder prevents material reaction of said at least one reactive dye prior to heat activation of said ink.
20. A method of printing an image using a digital printer as described in claim 10, wherein said substrate comprises fibers.
21. A method of printing an image using a digital printer as described in claim 11, wherein said second substrate comprises fibers.

22. A method of printing an image using a digital printer as described in claim 10, wherein said ink further comprises thermally expandable microcapsules.
23. A method of printing an image using a digital printer as described in claim 11, wherein said ink further comprises thermally expandable microcapsules.
24. A method of printing an image using a digital printer as described in claim 22, wherein said thermally expandable microcapsules have a diameter of 20 microns or less.
25. A method of printing an image using a digital printer as described in claim 23, wherein said thermally expandable microcapsules have a diameter of 20 microns or less.

CERTIFICATE OF MAILING

I hereby certify that this Preliminary Amendment is being filed via Express Mail EL908892135US in an envelope addressed to: Assistant Commissioner of Patents, Box Patent Application, Washington, D.C. 20231, on this 5 day of February, 2002.

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